

Replacement Selection Guide:

Based on Low-Speed Bearings and Bending Loads

Sumitomo BBB4 Series LVY- Size-Y5-Ratio	Nominal Gear Ratio	Actual Gear Ratio	Lightnin RE Series TE Series	Lightnin 70 Series 80 Series	Chemineer HT Series	Philadelphia Mixer PTE Series	Philadelphia Mixer 3800 Series	Falk MDX and HMX			Sumitomo BBB 4 Series									
								Falk Mixer Drive	Gear Ratio	HP Rating 1750 RPM	Torque Rating 1750 RPM (in-lbs)	HP Rating 1750 RPM	Torque Rating 1750 RPM (in-lbs)	Torque Ratings Increase						
4C165Y	11	10.85	71#, 80#	1GT, 1HT	PV2#	HMX20	11.39	14.1	5685	40.2	13980	246%								
	13	13.09					13.95	12.3	6072	40.2	18670	307%								
	18	17.77					17.09	10.4	6290	40.2	23360	371%								
4C145Y	21	21.00					20.93	9.0	6684	20.2	14155	212%								
	25	24.50					25.63	7.3	6591	20.2	16545	251%								
	28	28.00					31.39	5.8	6383	20.2	18845	295%								
4C140Y	39	38.50					38.44	4.1	5588	17.4	22300	399%								
	46	45.50					47.08	3.7	6109	17.4	26370	432%								
4B125Y	53	52.50					57.66	3.1	6376	7.94	13805	216%								
	67	67.20					70.62	2.7	6647	6.54	14600	220%								
	88	87.50					86.05	2.3	6855	5.31	15395	225%								
4F195Y	11	10.82					2	72 & 82 73 & 83	2 3	04 & 06 08	01 03A, 03B	MDX300 HMX21	11.39	29.7	11900	73.8	35040	294%		
	13	13.01											13.95	25.9	12700	73.8	46725	368%		
4E195Y	18	16.92											17.09	21.9	13200	73.8	58405	442%		
	21	21.00											20.93	19	14100	73.8	51415	365%		
	25	24.50	25.63	15.3	14000	73.8							60000	429%						
4E185Y	28	28.00	31.39	12.1	13500	60.3							56105	416%						
4E175Y	39	38.50	38.44	8.65	12300	40.4							51590	419%						
	46	45.50	47.08	7.72	13600	40.4							60970	448%						
4D160Y	53	52.50	57.66	6.58	13900	25.1							43805	315%						
	67	67.20	70.62	5.6	14400	17.3							38580	268%						
	88	87.50	86.05	4.74	14900	13.2							38405	258%						
4F195Y	11	10.82	3	74 & 84	4	08 & 10							05	MDX400 HMX22	11.39	54	21600	73.8	35040	162%
	13	13.01													13.95	46.3	22600	73.8	46725	207%
	18	16.92													17.09	37.9	23200	73.8	58405	252%
	21	21.00													20.93	32.2	24600	73.8	51415	209%
4E195Y	25	24.50					25.63	26.2	24200	73.8	60000	248%								
4E185Y	28	28.00					31.39	21.9	24900	60.3	56105	225%								
4E175Y	39	38.50					38.44	17.1	24000	40.4	51590	215%								
	46	45.50					47.08	14.8	24900	40.4	60970	245%								
	53	52.50					57.66	12.4	26100	40.4	70440	270%								
	67	67.20					70.62	10.7	27300	32.3	71945	264%								
	88	87.50					86.05	9.01	28500	24.8	72035	253%								
QVRC2-CDR*	11.2	11.19					3 & 4	75 & 85	5	10 & 12	MDX500	11.39			97.4	39000	149	59847	153%	
QVRC2-CDR*	14	14.24										13.95			83.5	40800	147	75362	185%	
4F195Y	18	16.92										17.09			58	36300	73.8	58405	161%	
	21	21.00										20.93			50.2	37300	73.8	51415	138%	
	25	24.50	25.63	42.5	38600	73.8						60000	155%							
	28	28.00	31.39	34.9	39200	73.8						68580	175%							
	39	38.50	38.44	24.9	34000	73.8						94690	279%							
4F185Y	46	45.50	47.08	20.9	35500	60.3						91150	257%							
	53	52.50	57.66	18.1	37100	52.3						91150	246%							
4F180Y	67	67.20	70.62	15.1	38800	40.2						89390	230%							
	88	87.50	86.05	13	40600	32.3						93815	231%							